

10/550218

## UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ilias Manettas et al  
Application Number: Unassigned  
Filing Date: Concurrently Herewith  
Group Art Unit:  
Examiner:  
Title: METHOD FOR POWER REGULATION OF A DEFROSTER  
HEATER AND REFRIGERATION DEVICE WITH  
INTEGRATED DEFROSTER HEATING

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

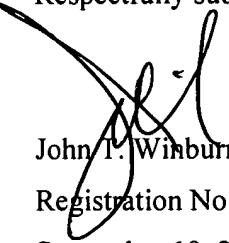
EP 1 178 271 discloses that an electronic regulating device has a temperature set point transmitting device (12) and a temperature sensor (10) for detecting and recording internal temperature. A regulator (11) relies on deviation to pre-determine the pulse ratio of a permanently pulsed service voltage for cooling equipment (14,15).

DE 197 24 292 discloses the process controls laboratory thermostatic bath systems. Supply of power to the heater is controlled using a pulse width modulation (PWM) technique to switch the alternating current. A semiconductor switch controls current delivered to the heater in successive pulse periods. There are n basic power settings. Each is a fraction, 1/n, of the heater (i.e. element) nominal power. These settings are adjustable by additional control of the semiconductor. Basic power adjustment is effected over successive periods, each amounting to a fraction of the pulse period and comprising at least n half waves.

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If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



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September 19, 2005

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Approved for use through 07/31/2006. OMB 0651-0031

Approved for use through 07/06/2006. GMD 8607-003  
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Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

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of

**Complete if Known.**

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Application Number	10/550218 Unassigned
Filing Date	Herewith
First Named Inventor	Ilias Manettas et al
Art Unit	
Examiner Name	

Attorney Docket Number 2003P00534WOUS

## **U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 1 180 652	02/20/2002	Mike Hirsch		✓
		WO 01/04556	01/18/2001	Emre Arisoy et al		✓
		EP 1 178 271	02/06/2002	Klaus Anders et al		
		DE 197 24 292	12/10/1998	Lauda Dr. R. Wobser		
		International Search Report for PCT/EP2004/003608				✓

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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